



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Braun *et al.*
Serial No.: 09/687,483
Filed: October 13, 2000
For: METHODS FOR GENERATING DATABASES
AND DATABASES FOR IDENTIFYING
POLYMORPHIC GENETIC MARKERS
Art Unit: 1645
Examiner: Unassigned

I hereby certify that this paper and the attached papers are being deposited with the United States Postal Service as first class mail in an envelope addressed to:
Commissioner for Patents
Washington, D.C. 20231, on this date.

04/05/01
Date

Kelly Fischer
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TRANSMITTAL LETTER

TECH CENTER 1600/2900

Commissioner for Patents
Washington, D.C. 20231

Sir:

Transmitted herewith is a Preliminary Amendment for filing in connection with the above-identified application.

(X)

The Commissioner is hereby authorized to charge the fee for the Information Disclosure Statement and any other fees that may be due under 37 C.F.R. §§1.16-1.17 in connection with this paper or with this application during its entire pendency to Deposit Account No. 50-1213. A duplicate of this sheet is enclosed.

Respectfully submitted
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By:

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Dear Sir:

Preliminary to examination of the above-captioned patent application,
please amend the application as follows:

IN THE SPECIFICATION:

Please amend the specification as follows (a marked-up copy of the
amended specification is attached to this Amendment):

**Please replace the paragraph on page 108, lines 15-21, with the following
paragraph.**

Subj Referring to FIG. 51, a residual error is calculated by taking a root mean square calculation between the Gaussian 293 and the putative peak 290 in the data signal. The calculation is performed on data within one width on either side of a center line of the Gaussian. The residual error is calculated as:

$$\sqrt{(G-R)^2/N}$$

where G is the Gaussian signal value, R is the putative peak value, and N is the number of points from -W to +W. The calculated residual error is used to generate an adjusted signal-to-noise ratio, as described below.